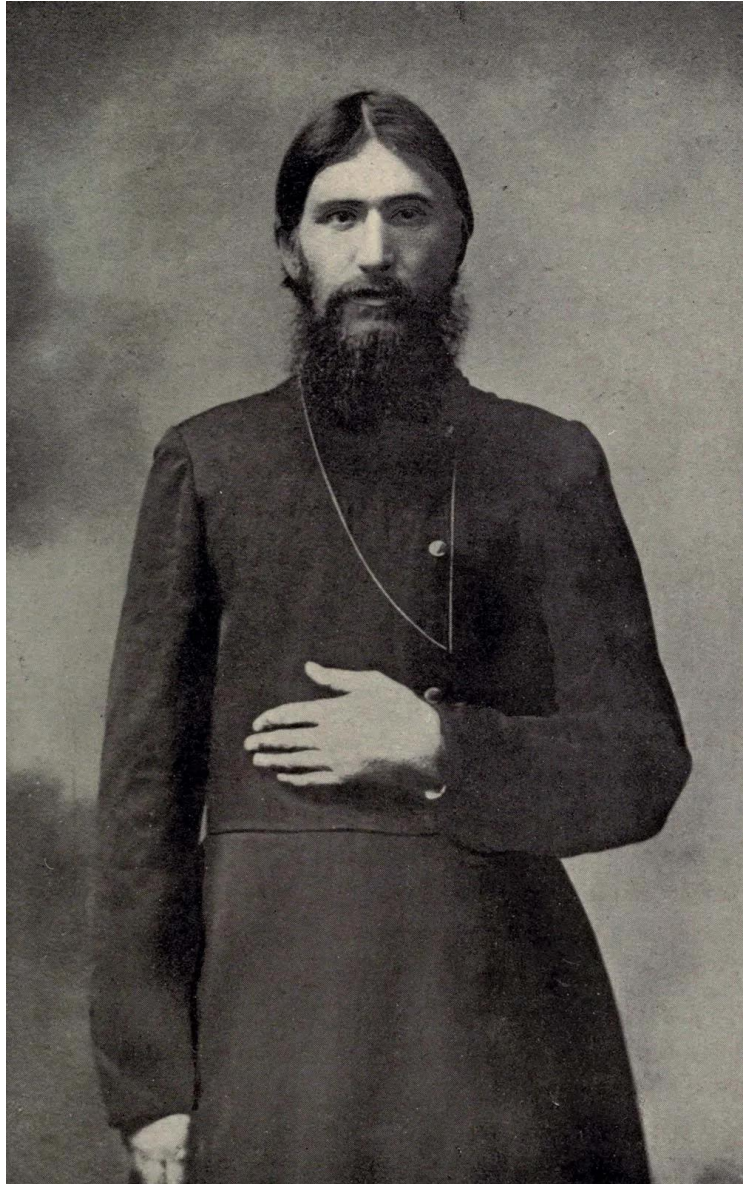


Haemophilia: Pregnancy and Birth

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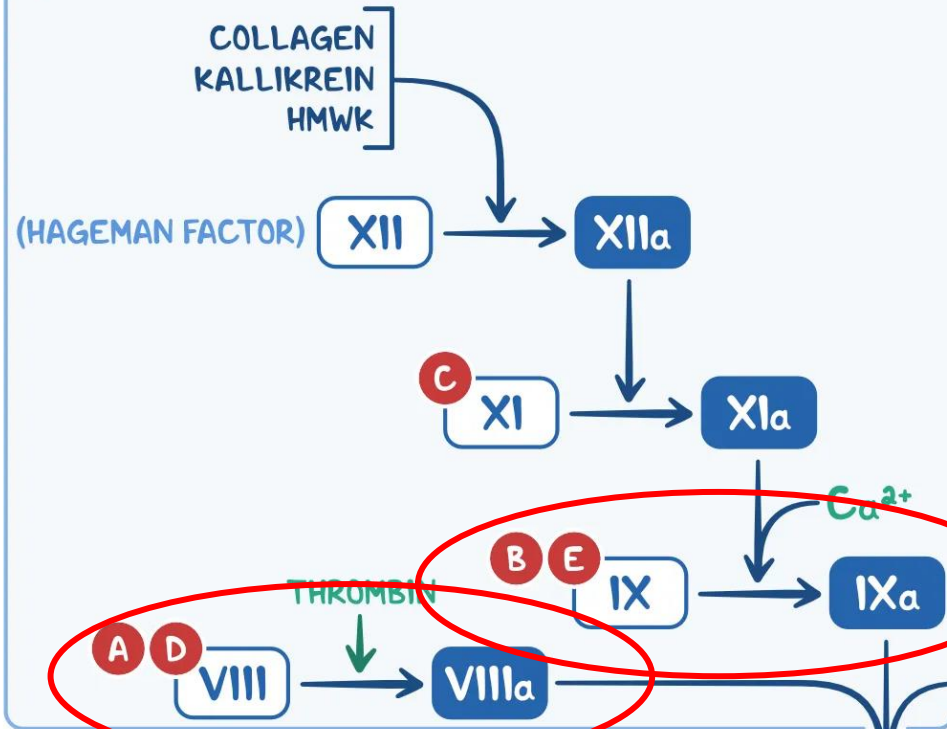






But what if,
Alexandra had
access to
modern
obstetric care?

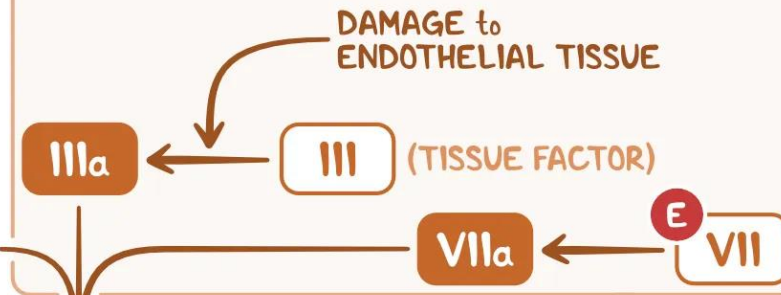
INTRINSIC PATHWAY



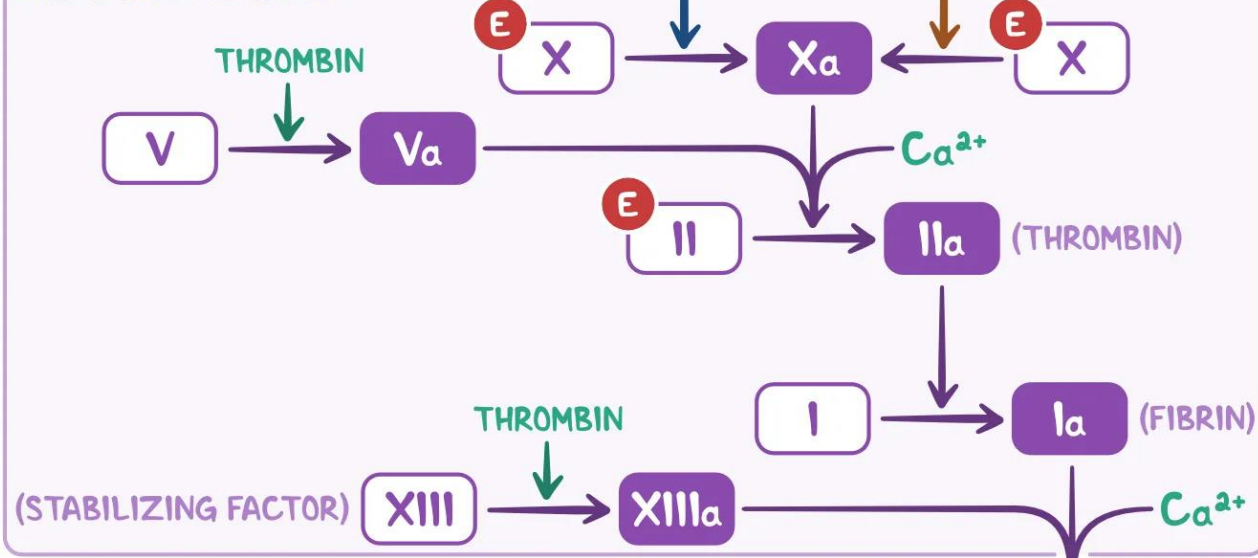
BACKGROUND

- * SERIES of STEPS in RESPONSE to BLEEDING CAUSED by TISSUE INJURY
- ~ EACH STEP ACTIVATES the NEXT & ULTIMATELY PRODUCES a BLOOD CLOT
- * aka SECONDARY HEMOSTASIS

EXTRINSIC PATHWAY



COMMON PATHWAY



Physiology

- ▶ Normal Factor VIII and IX levels
 - ▶ 50-200 IU/dL
- ▶ Physiological response of coagulation factors to pregnancy
 - ▶ Factor VIII increases
 - ▶ No change to Factor IX
- ▶ Severity
 - ▶ Mild - 5-40 IU/dL
 - ▶ Moderate - 1-5 IU/dL
 - ▶ Severe - <1 IU/dL
- ▶ Symptomatic carriership
 - ▶ < 40 IU/dL with bleeding phenotype
- ▶ Asymptomatic carrier
 - ▶ <40 IU/dL without bleeding phenotype

Why is haemophilia important to obstetricians?



Pre-pregnancy counselling

Multidisciplinary counselling

Assess factor levels

Historical response to DDAVP

Fertility options

Set expectations

Routine pre-pregnancy counselling

Folic acid

Recessive carrier screening

Immunity to vaccine preventable diseases

Medication optimization and assessment of other comorbidities

Routine screening tests

Diet, exercise and sound mental health

Antenatal Care

Multidisciplinary visits

Consideration of antenatal testing

Measurement of factor levels

Review PPH risk factors

Anaesthetic review

Paediatric review

Mode of Delivery





The argument for caesarean section

- ▶ Maternal factors
 - ▶ Sense of control
 - ▶ Choice
 - ▶ PPH rates not increased
- ▶ Fetal factors
 - ▶ Increased risk of intracranial haemorrhage with vaginal delivery
 - ▶ Operative vaginal delivery may be unavoidable

What we all agree on

- ▶ Operative vaginal delivery should be avoided
 - ▶ If unavoidable, forceps over vacuum
 - ▶ Experienced obstetrician
- ▶ In women carrying a female fetus, mode of delivery on obstetric indications
 - ▶ Remains a risk of non severe bleeding
- ▶ A priori risk and shared decision making should be factors in determining mode of delivery
- ▶ Don't be an obstetric cowgirl(boy)



Intrapartum care

Large bore IV cannulas, X-Match

Factor replacement \pm TXA \pm DDAVP

Avoidable risks for PPH

Active management of the third stage

Immediate postpartum care

Maintain normal range factor levels

Regional anaesthesia considerations

Postpartum TXA

Avoid LMWH and NSAIDs

Neonatal paediatric review

Longer term postpartum care

Assess and treat postpartum bleeding

Breastfeeding

Mental health

Contraception

Paediatric follow up

Plan for the next pregnancy

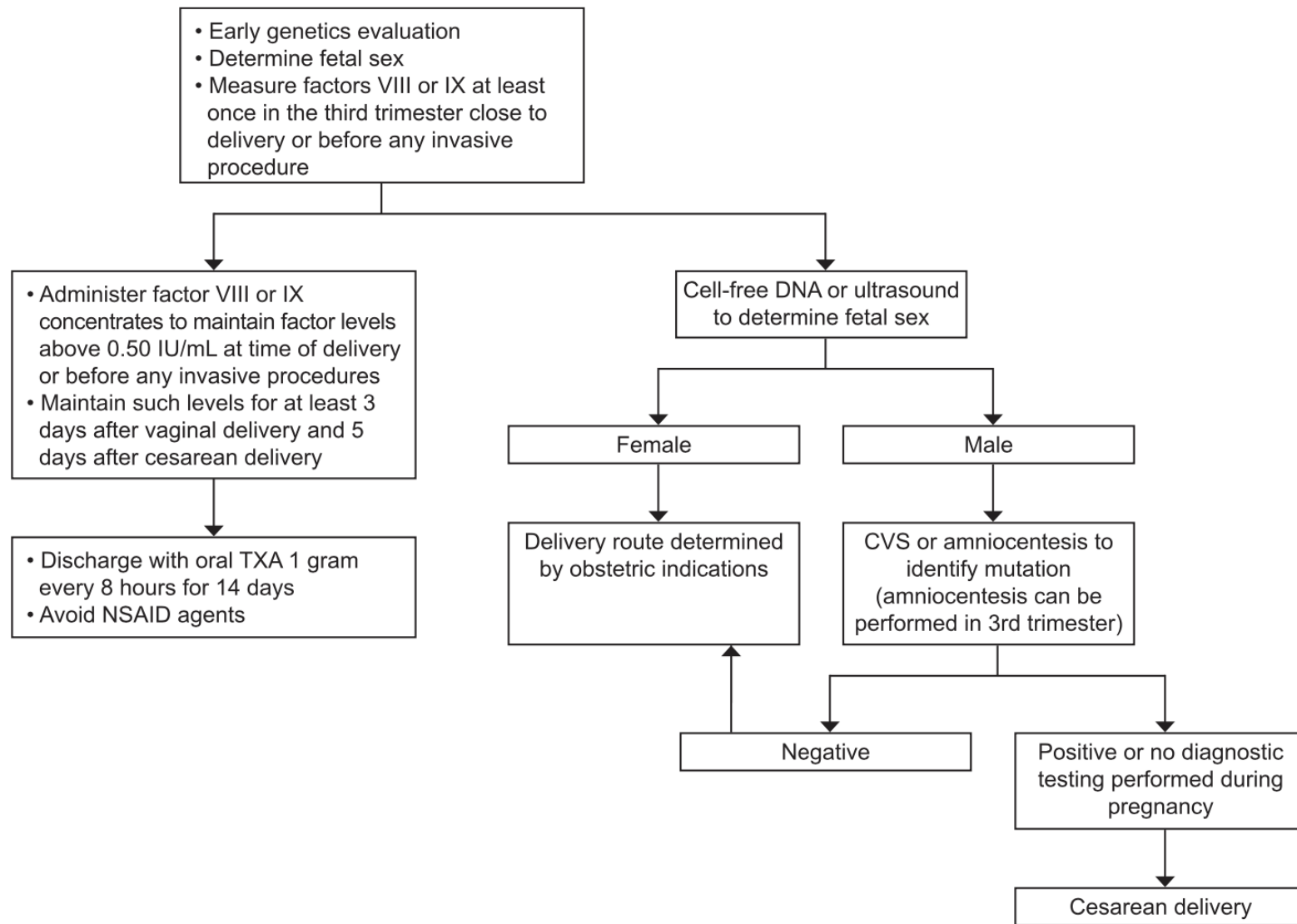


Fig. 3. Management of hemophilia during pregnancy. TXA, tranexamic acid; NSAID, nonsteroidal anti-inflammatory drug; CVS, chorionic villus sampling.

Pacheco. Inherited Bleeding Disorders in Pregnancy. Obstet Gynecol 2023.

Key Points

- ▶ Women with haemophilia can have successful pregnancies and healthy families
- ▶ Pre-pregnancy counselling offers women choice and optimizes pregnancy outcomes
- ▶ Multidisciplinary care and careful planning is key
- ▶ Mode of delivery remains controversial but operative vaginal delivery should be avoided
- ▶ Don't forget the routine care!

Questions?

No questions about hypothetical historical accuracy please.

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